

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

Claims 1-12 canceled.

13. (Currently amended) A light source arrangement comprising
a radiation source that emits radiation from the wavelength range 400 to 500 nm of the
spectrum, and
a mixture of luminescent materials arranged to receive said radiation,
wherein one of said luminescent materials has a Ce-activated garnet structure having the formula
 $A_3B_5O_{12}$, in which the first component A contains at least one element from the group consisting
of Y, Lu, $[[Se]]Sc$, La, Gd, and Sm and the second component B contains at least one element
from the group consisting of Al, Ga and In,
wherein another of said luminescent materials has a Ce-activated garnet structure having
the formula $A_3B_5O_{12}$, in which the first component A contains at least one element from the
group consisting of Y, Lu, $[[Se]]Sc$, La, Gd, Sm and Tb and consists at least in part of Tb as a
constituent of the host lattice, and the second component B contains at least one element from
the group consisting of Al, Ga and In,
wherein said radiation is at least partially converted into longer-wave radiation by said
mixture of luminescent materials.

3 14. (Previously presented) The light source arrangement of claim 13 wherein said
radiation source is a blue-emitting light-emitting diode.

4 15. (Previously presented) The light source arrangement of claim 14 wherein said
light-emitting diode is based on GaN or InGaN.

2 ~~16~~. (Previously presented) The light source arrangement of claim ~~13~~¹ wherein said another of said luminescent materials includes a garnet structure having the formula $(\text{Tb}_{1-x}\text{SE}_x\text{Ce}_y)_3(\text{Al,Ga})_5\text{O}_{12}$, where

$\text{SE} = \text{Y, Gd, La, Sm and/or Lu}; 0 \leq x \leq 0.5 - y$; and

$0 < y < 0.1$.

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5 ~~17~~. (Previously presented) The light source arrangement of claim ~~14~~³ wherein said mixture of luminescent materials is provided as a mixture of inorganic luminescent pigment powders that is dispersed in a transparent plastic casting compound that is arranged to receive radiation from the radiation source.

6 ~~18~~. (Previously presented) The light source arrangement of claim ~~17~~⁵ wherein said luminescent pigment powders have particle sizes $\leq 20 \mu\text{m}$ and a mean particle diameter $d_{50} \leq 5 \mu\text{m}$.

7 ~~19~~. (Previously presented) The light source arrangement of claim ~~17~~⁵ wherein said casting compound also includes at least one member of the group consisting of a thixotropic agent, a mineral diffusor, a water repellent and a bonding agent.

8 ~~20~~. (Previously presented) The light source arrangement of claim ~~18~~⁶ wherein said casting compound also includes at least one member of the group consisting of a thixotropic agent, a mineral diffusor, a water repellent and a bonding agent.

9 ~~21~~. (Previously presented) The light source arrangement of claim ~~17, 18, 19 or 20~~^{5, 6, 7, 8} wherein said mixture of luminescent materials is excitable by radiation from the range of 400 to 500 nm.

10 ~~22.~~ (Previously presented) The light source arrangement of claim ~~17, 18, 19 or 20~~ ^{5 6 7 8} wherein said mixture of luminescent materials is excitable by radiation from the range of 420 to 490 nm.

11 ~~23.~~ (Previously presented) The light source arrangement of claim ~~17, 18, 19 or 20~~ ^{5 6 7 8} wherein said another of said luminescent materials includes a garnet structure having the formula $(\text{Tb}_{1-x-y}\text{SE}_x\text{Ce}_y)_3(\text{Al,Ga})_5\text{O}_{12}$, where

SE = Y, Gd, La, Sm and/or Lu; $0 \leq x \leq 0.5 - y$; and

$0 < y < 0.1$.

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CONT 12 ~~24.~~ (Previously presented) The light source arrangement of claim ~~17, 18, 19 or 20~~ ^{5 6 7 8} wherein said another of said luminescent materials includes a garnet structure having the formula $(\text{Tb}_{1-x-y}\text{SE}_x\text{Ce}_y)_3(\text{Al,Ga})_5\text{O}_{12}$, where

SE = Y, Gd, La, Sm and/or Lu; $0 \leq x \leq 0.5 - y$; and

$0 < y < 0.1$, and

wherein said mixture of luminescent materials is excitable by radiation from the range of 400 to 500 nm.

13 ~~25.~~ (Previously presented) The light source arrangement of claim ~~17, 18, 19 or 20~~ ^{5 6 7 8} wherein said another of said luminescent materials includes a garnet structure having the formula $(\text{Tb}_{1-x-y}\text{SE}_x\text{Ce}_y)_3(\text{Al,Ga})_5\text{O}_{12}$, where

SE = Y, Gd, La, Sm and/or Lu; $0 \leq x \leq 0.5 - y$; and

$0 < y < 0.1$ and

wherein said mixture of luminescent materials is excitable by radiation from the range of 420 to 490 nm.

4 ~~26.~~ (Previously presented) The light source arrangement of claim ~~13, 14, 15, 16 or 17~~ ^{1 3 4 2 5} wherein said radiation is partially converted radiation and is mixed with emitted radiation from said radiation source to produce white light.

15 ~~27.~~ (Currently amended) A light source arrangement comprising a radiation source that emits radiation from the wavelength range 430 to 480 nm of the spectrum, and

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a mixture of luminescent materials arranged to receive said radiation, wherein one of said luminescent materials has a Ce-activated garnet structure having the formula $A_3B_5O_{12}$, in which the first component A contains at least one element from the group consisting of Y, Lu, $[[Se]]Sc$, La, Gd, and Sm and the second component B contains at least one element from the group consisting of Al, Ga and In,

wherein another of said luminescent materials has a Ce-activated garnet structure having the formula $A_3B_5O_{12}$, in which the first component A contains at least one element from the group consisting of Y, Lu, $[[Se]]Sc$, La, Gd, Sm and Tb and consists at least in part of Tb as a constituent of the host lattice, and the second component B contains at least one element from the group consisting of Al, Ga and In,

wherein said radiation is at least partially converted into longer-wave radiation by said mixture of luminescent materials.

16 ~~28.~~ (Currently amended) A light source arrangement comprising a radiation source that emits radiation from the wavelength range 400-500 nm of the spectrum, and a mixture of luminescent materials having different compositions arranged to receive said radiation,

wherein at least one of said luminescent materials has a Ce-activated garnet structure having the formula $A_3B_5O_{12}$, in which the first component A contains at least one element from the group consisting of Y, Lu, $[[Se]]Sc$, La, Gd, Sm, and Tb and consists at least in part of Tb as

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Serial No. : 09/786,086
Filed : February 28, 2001
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a constitute of the host lattice, and the second component B contains at least one element from the group consisting of Al, Ga and In,
wherein said radiation is at least partially converted into longer-wave radiation by said mixture of luminescent materials.
